

Abstract of the Disclosure

SPLIT MODE OPERATION FOR FUEL INJECTION SYSTEMS

Methods for operating a fuel injection system of an engine. A first number of the fuel injectors is operated in a first mode during a first engine cycle. The first mode has a first set of fuel delivery characteristics, including at least one fuel shot per fuel injector per engine cycle. A second number of the fuel injectors is operated in a second mode during the first engine cycle. The second mode has a second set of fuel delivery characteristics, including at least one fuel shot per fuel injector per engine cycle.